

## E-LOCK BULK SIGNER - AUTOMATED SERVER SIDE SIGNING SOLUTION

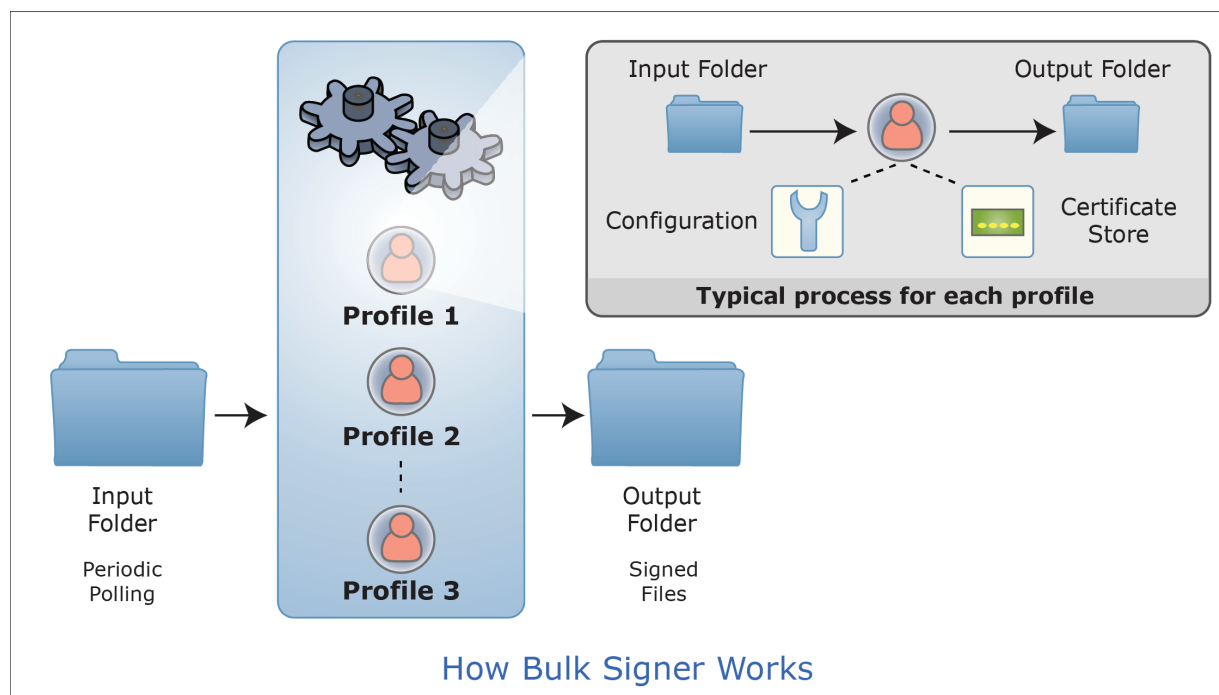
Go Paperless. Go Secure.

### OVERVIEW

Businesses are increasingly going electronic for improving efficiency and bringing down operational costs. It is important to provide security and authenticity to the electronic business documents. The PKI digital signatures solutions are the most advanced and secure type of solutions, increasingly used by

businesses and governments all over the world.

E-Lock BulkSigner is an automated bulk-signing solution. It helps organizations to sign multiple documents in bulk without any manual intervention. It runs on the server as a Windows Service and requires no manual monitoring once configured.

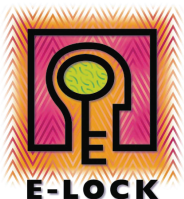


### BULK SIGNER FUNCTIONALITIES

#### Automated process

BulkSigner runs as a Windows service once installed on the server. Once configured it polls the configured folder to check the files to be signed. As it finds the files, they

are signed with the pre-configured certificate at the predefined location in the files (for Pdf files) and shifted to output folder. Once configured there is no manual intervention required and signing becomes completely automated.



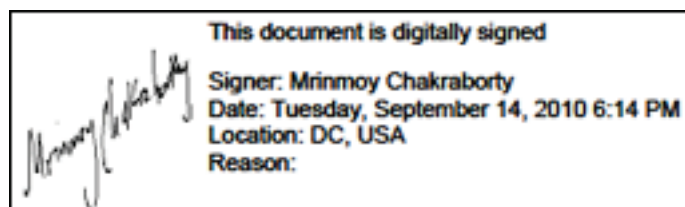
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### Signing

BulkSigner can sign any file format in standard PKCS#7 compliant format. It supports attached and detached and multiple signatures for any file type. For PDF files Bulk Signer specially supports embedded Adobe compatible signatures in PKCS#7 format. It has option to configure.

- Signature placement
- Signature image
- Various attributes like signing and location
- Local time stamp in the signature



### Verification

The files signed using bulk signer can be verified for following certificate attributes for authentication and security.

- Data Integrity
- Certificate Trust
- Certificate Expiry
- Certificate Revocation Check

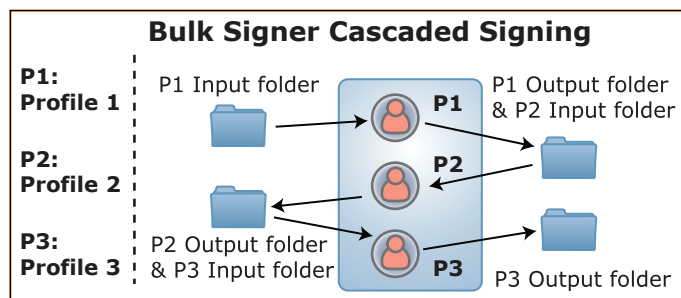
### Verification of Signatures in PDF files

Since the signatures are in Adobe compatible format, recipient of Signed PDF file can open it in the Adobe Reader and verify the signature with a click for data integrity and authentication.

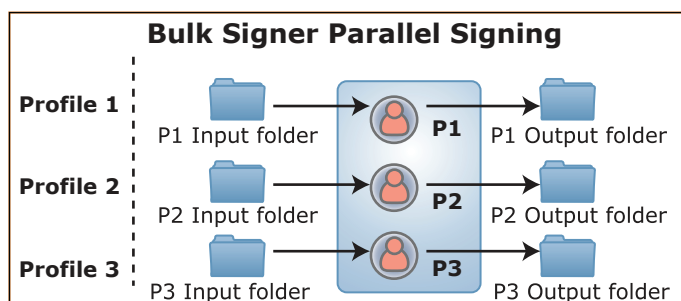
### Profiles

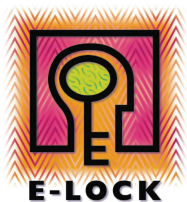
Bulk Signer supports multiple profiles. Each profile can specify a different signing configuration that includes input and output folders, digital certificate to be used for signing, signature placement, signature image etc. All the configured profiles are run simultaneously. Using the multiple profiles feature, it is possible to implement various combinations of signing process like cascaded signing or parallel signing.

In Cascade signing, output folder of first profile will become the input folder of the second profile. This way a chain can be created which will allow single profile to have multiple signatures at preconfigured location.



In Parallel signing, number of profiles can be started simultaneously in parallel with each other giving maximum output.





## **E-LOCK BULK SIGNER - AUTOMATED SERVER SIDE SIGNING SOLUTION**

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### **Blazing speed**

Bulk Signer is designed to make the optimum use of resources to give maximum output. Multiple profiles can run simultaneously ensuring thousands of files are getting signed in seconds making it a blazing fast files signing solution.

### **Technical Requirements**

- Windows 2000, Professional, Server or Higher
- IE 6.0 or higher
- Digital Certificate - any X509 Standard certificate, installed in the IE browser without security or on a smart card/e-token/ HSM
- If smart card based / HSM based certificate is to be used for signing , the smart card driver / HSM driver should support signing in a silent mode if password is provided
- Supports both MSCAPI drivers as well as PKCS#11 drivers for smart cards, e-tokens or HSMs
- Supports Hashing algorithms like: MD5, SHA1, SHA-256, SHA-384, and SHA-512

### **Processes that can use Bulk-Signer:**

- Bank statements
- Loan statements
- Insurance documents
- Credit / debit card statements
- Invoices, Purchase orders
- Phone bills

### **Reporting**

Signing success and failure events in the software can be logged for reporting purpose.

**For more information:** visit our website: [www.elock.com](http://www.elock.com) or write to [info@elock.com](mailto:info@elock.com)

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E-Lock is provider of PKI based signature and encryption software solutions. E-Lock solutions are used to complete the last mile in regulatory compliance of paperless transactions. Solutions help organizations make business processes secure and provide authentication, non-repudiation and confidentiality for documents, content and transactions. E-Lock products are compliant with worldwide e-signature legislation like HIPAA, 21CFR part 11, US E-Sign law, GPEA, UETA, SOX, EU law, JITC, Indian IT Act etc.